

### III. CLAIM AMENDMENTS

1 - 16. (Cancelled)

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/17. (New) A method for recognizing a selection from a set of at least two alternatives, the method comprising:

determining the positions corresponding to each alternative in the space surrounding a user on the basis of their direction with respect to the user so that the locations of the positions remain substantially the same with respect to the user irrespective of the location of the user;

allowing the user to do a first movement of a member of the body to a position corresponding to an alternative the user desires;

recognizing a second movement of a member of the body done by the user in the position corresponding to the alternative the user desires;

in response to the second movement, recognizing the selection the user desires as completed; and

providing the recognized selection as an output.

18. (New) A method according to claim 17, further comprising:

indicating the user at least once the positions corresponding to the alternatives as one of the following: showing virtual images in each position, showing an arcuate area with a plurality of sectors at the level of the user's waist, said sectors corresponding said positions, and informing the alternative corresponding to a position audiophonically.

19. (New) A method according to claim 17, further comprising:

demonstrating the user the alternative indicated at any given time.

20. (New) A method according to claim 17, further comprising:

recognizing the second movement contactlessly.

21. (New) A method according to claim 17, wherein the first movement is the movement of the user's hand.

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22. (New) A method according to claim 17, further comprising:

carrying out a certain first function in response to the output.

23. (New) A method according to claim 17, further comprising:

allowing the user to carry out a certain second activity with a specific third movement of the member of the body.

24. (New) An electronic device for recognizing a selection from a set of at least two alternatives, the device comprising:

means for determining positions surrounding the user that correspond to each alternative on the basis of their direction with respect to the user so that the locations of

the positions remain substantially the same with respect to the user irrespective of the location of the user;

means for allowing the user to move a member of the body to a position corresponding to an alternative the user desires;

means for recognizing a second movement of a member of the body done by the user in the position;

means for recognizing the carrying out of the selection the user desires in response to the second movement; and

A2 an output for outputting the recognized selection.

25. (New) A device according to claim 24, wherein:

the device further comprises means for indicating to the user the positions corresponding to the alternatives as one of the following:

showing a virtual image in each position, showing an arcuate area with a plurality of sectors at the level of the user's waist, said sectors corresponding said positions, and informing the alternative corresponding to a position audiophonically.

26. (New) A device according to claim 25, wherein:

the device further comprises presentation means for indicating the alternative indicated at any given time to the user.

27. (New) A device according to claim 25, wherein:

the means for recognizing the second movement carried out by the user in the position are adapted to recognize the second movement contactlessly.

28. (New) A device according to claim 25, wherein:

the first movement is the movement of the user's hand.

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29. (New) A device according to claim 25, wherein:

the device further comprises means for carrying out a certain first function in response to the second movement.

30. (New) A device according to claim 25, wherein:

the device further comprises means for carrying out a specific second function in response to the third movement.

31. (New) A device according to claim 25, wherein:

the means for recognising the second movement carried out by the user in the position are adapted to be attached to the user.

32. (New) A device according to claim 25, wherein:

the device comprises at least one of the following: a mobile station, a computer, a television apparatus, a data network browsing device, an electronic book, and an at least partly electronically controlled vehicle.

33. (New) A method according to claim 17, wherein said positions are sectors on an arcuate area.

34. (New) A method according to claim 33, wherein said arcuate area is a selection disc.

35. (New) A method according to claim 21, wherein said first movement is a substantially horizontal arcuate movement of the hand to a certain sector of an arcuate area situated substantially in horizontal plane.

36. (New) A method according to claim 35, wherein said second movement is a substantially vertical movement of a hand at said certain sector.

37. (New) A method according to claim 35, wherein said second movement is placing a hand into a certain position at said certain sector.

38. (New) A method according to claim 17, further comprising:

determining the positions corresponding to each alternative in the space surrounding a user also on the basis of their distance with respect to the user.

39. (New) A device according to claim 28, wherein said positions are sectors on an arcuate area.

40. (New) A device according to claim 39, wherein said arcuate area is a selection disc.

41. (New) A device according to claim 28, wherein said first movement is a substantially horizontal arcuate movement of the hand to a certain sector of a circular area situated substantially in horizontal plane.

42. (New) A device according to claim 41, wherein said second movement is a substantially vertical movement of a hand at said certain sector.

43. (New) A device according to claim 41, wherein said second movement is placing a hand into a certain position at said certain sector.

44. (New) A device according to claim 24, wherein said means for determining are arranged to determine said positions also on the basis of their distance with respect to the user.

45. (New) A system for recognizing user's selection, the system comprising:

a central unit,

a three dimensional display device,

the central unit comprising communication means for communicating positions corresponding to selection alternatives to the three dimensional display device,

the three dimensional display device being arranged to display to the user the positions corresponding to selection alternatives surrounding the user, said positions being sectors on an arcuate area surrounding the user,

means for recognizing a movement of a member of a body of the user on said arcuate area, and

communication means for communicating a recognized movement from the means for recognizing to the central unit,

wherein the central unit being arranged to process the selection of an alternative on the basis of the recognized movement.

46. (New) A system according to claim 45, wherein the central unit comprises at least one of the following: a mobile station, a computer, a television apparatus, a data network browser device, an electronic book, and at least partly electronically controlled vehicle.

47. (New) A system according to claim 45, wherein the means for recognizing is a camera.

48. (New) A system according to claim 45, wherein the means for recognizing is a shape tape.

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49. (New) A system according to claim 45, wherein the arcuate area is a selection disk.

50. (New) A system according to claim 45, wherein the three dimensional display device and the means for recognizing are comprised in the same unit.

51. (New) A system according to claim 45, wherein the three dimensional display device is virtual glasses.

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